Origin of Life and Organic Evolution MCQ Question Answer

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Question: 1. Survival due to geographic isolation is best exemplified by mammalian fauna of

Option A. Oriental region
Option B. Ethiopian region
Option C. Australian region
Option D. Palaearctic region

Question: 2. Amphibians appeared and became dominant in the

Option A. Mesozoic era
Option B. Coenozoic era
Option C. Palaeozoic era
Option D. None of these

Question: 3. The resemblance between the south American llama and the African camel indicates a common ancestry. This is

Option A. homological evidence for evolution
Option B. palaentological evidence for evolution
Option C. biogeographic evidence for evolution
Option D. none of these

Question: 4. Ontogeny recapitulates phylogeny is the statement relating to

Option A. morphology
Option B. physiology
Option C. taxonomy
Option D. embryology

Question: 5. The study of Galapagos Finches shows

Option A. adaptive radiation
Option B. adaptive convergence
Option C. use and disuse of organs
Option D. none of these

Question: 6. Species were regarded as unchangeable by

Option A. Lamarck
Option B. Morgan
Option C. Charles Darwin
Option D. Many biologists of 19th century

Question: 7. Fossil Archaeopteryx was discovered and preserved as

Option A. a petrified specimen
Option B. a mineralised specimen
Option C. a mould
Option D. embedded in amber

Question: 8. The concept of use and disuse of organs was given by

Option A. Darwin
Option B. Wallace
Option C. Mendel
Option D. Lamarck

Question: 9. Along with reduction in the number of toes in the modern horse, the other most significant evolutionary change is

Option A. increase in the size of eyes
Option B. increase in the size of brain
Option C. straightening of back
Option D. change in dentition from browsing to grazing

Question: 10. The age of a fossil may be determined most accurately

Option A. by comparing it to living similar forms
Option B. by radioactive dating
Option C. by rate of erosion of the strata
Option D. from the depth of strata at which it is found

Question: 11. The book "Voyage of the Beagle" is concerned with which one of the following ?

Option A. Lamarckism
Option B. Theory of natural selection
Option C. Bird flight mechanisms
Option D. Both and

Question: 12. The earliest ancestor of horse from early Eocene period is

Option A. miobibbus
Option B. eohippus
Option C. merychippus
Option D. pliohippus

Question: 13. An animal is more likely to be preserved as a fossil if it contains large quantities of

Option A. cartilage and bone
Option B. proteins
Option C. inorganic materials
Option D. keratin materials

Question: 14. Darwin proposed his theory of natural selection on the basis of

Option A. Mutation
Option B. Environmental factors
Option C. Lama's theory
Option D. Chromosomal aberrations

Question: 15. A connecting link between Annelids and Arthropods is

Option A. Peripatus
Option B. Palaemon
Option C. Limulus
Option D. Heteronereis

Question: 16. Which of the following gases were absent in free form when life originated on earth?

Option A. Oxygen
Option B. Hydrogen
Option C. Methane
Option D. Ammonia

Question: 17. Role of isolation in evolution is

Option A. differentiation of species
Option B. maintenance of species
Option C. evolutionary divergence
Option D. extermination of species

Question: 18. The idea of "Survival of fittest" was given by

Option A. Darwin
Option B. Herbert Spencer
Option C. Mai thus
Option D. Lovell

Question: 19. The recent ancestors of modem man were

Option A. Java Ape and Peking man
Option B. Peking man and Rhodesian man
Option C. Cromagnon man and Rhodesian man
Option D. Cromagnon man and Neanderthal man

Question: 20. Fossilisation occurs where

Option A. animals are destroyed by environment
Option B. animals are destroyed by scavangers
Option C. animals are burried by natural " processes
Option D. organisms are burried and preserved by natural processes

Question: 21. The fossil formed from harder parts of the body infiltrated by minerals and turned into stony shapes is

Option A. moulds
Option B. coprolites
Option C. petrified
Option D. cast

Question: 22. Appearance of ancestral characters in the new born, such as tail, monstral face, gill slits, multiple mammale etc. are known as

Option A. homologous
Option B. analagous
Option C. ativistic
Option D. vestigeal

Question: 23. Which is a vestigeal organ of python

Option A. Nose
Option B. Scales
Option C. Teeth
Option D. Hindlimbs

Question: 24. The function affected by point mutation in p-globin in sickle cell anaemia is

Option A. protein folding
Option B. transcriptional control
Option C. nonsense mutation
Option D. none of these

Question: 25. Human beings living in different geographical areas and under different environmental conditions are kept under one species because

Option A. they show adaptive variations to their environment
Option B. they share the common karyotype
Option C. they can freely interbreed and share a common gene pool
Option D. their features are different yet they are similar essentially

Question: 26. A kind of mimicry which presumably works as a double insurance is

Option A. batesian mimicry
Option B. mullerian mimicry
Option C. warning colouration
Option D. concealing colouration

Question: 27. Some of the important evidences of organic evolution are

Option A. occurrence of homologous and vestigeal organs
Option B. occurrence of analogous and vestigial organs

Option C. occurrence of homologous and analogous organs

Option D. occurrence of analogous oragans only

Question: 28. The first mammal arose

Option A. after the extinction of dinosaurs

Option B. before the origin of dinosaurs

Option C. along with dinosaurs

Option D. from the dinosaurs

Question: 29. Fire was first used for protection and cooking by

Option A. Java man

Option B. Neanderthal man

Option C. Peking man

Option D. Cromagnon man

Question: 30. An example of analogy is

Option A. wings of a bird and butterfly

Option B. wings of pigeon and bat

Option C. limbs of horse and man

Option D. paddles of dolphin and fins of a fish

Answer Sheet

1	A	
2	C	
3	C	
4	D	
5	A	
6	D	
7	C	
8	D	
9	D	
10	B	
11	B	
12	A	
13	A	
14	B	
15	A	
16	A	
17	C	
18	A	
19	D	
20	D	
21	C	
22	C	
23	D	
24	A	
25	C	
26	B	
27	C	
28	A	
29	A	
30	A	